



National Institute of Technology, Durgapur
DEPARTMENT OF BIOTECHNOLOGY

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Date: 08/03/2017

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Subject: Invitation of quotations for Class II biological safety cabinet and ELISA Reader

1. Bidders are invited to submit your most competitive quotation (as per **Annexure-I**) for the goods as stated in the following table.

S.L No	Name of the Equipment	Quantity
1.	Class II Type A2 Laminar Flow (Biological Safety) cabinet. Specification- A separate sheet Enclosed (ANNEXURE-II)	1
2.	ELISA READER Specification- A separate sheet Enclosed (ANNEXURE-III)	1

2. You are also requested to mention/attach the following information/documents along with the quotation.

a) Latest sales tax clearance certificate, b) credential if any, c) special discount, if any for Educational Institution without any pre-condition and d) catalogue specification of the item.

3. These items will have to be delivered from the companies of high repute.

4. The purchaser will award the contract to the bidder whose quotation will be determined to be most responsive.

5. Notwithstanding the above, the purchaser committee reserves the right to accept or reject any quotation, to not to order specific items as the case may be at a later time point or to cancel entire bidding process at any time prior to award of contract.
6. Purchase will be made as per purchase rule of the Institute. Delivery should be made to the laboratory of DR. NIBEDITA MAHATA, Department of Biotechnology, NIT Durgapur within 30 days from the date of issue of purchase order.
7. The liquidated damage (LD) will be applicable @ 0.5% every week. The purchaser has the right to cancel the purchase order when the LD accumulates to 10%.
8. Terms of payment: Within 30 days on receipt of bill along with challans in triplicate. 100% payment will be made.
9. The quotation has to be submitted to the undersigned on or before 21 days from the date of advertisement.

Indenters

Dr. Nibedita Mahata

Assistant professor

Dept of Biotechnology

NIT Durgapur

ANNEXURE-II

SL. No	Brief Description of the Good	Specifications	Quantity
1.	Class II Type A2 Laminar Flow (Biological Safety cabinet) 4ft	<p>1.Cabinet should have durable grade stainless steel(304) work surface that will never rust, ship or generate particles. Standard work surface must be single-piece work tray and main body must be constructed with 18 gauge electro galvanized steel with anti microbial coating.</p> <p>2.The cabinet must be individually certified (Sticker pasted on the unit) with the following regulations and standards for Class II A2: NSF International – Standard 49 Or EN12469 for Biohazard cabinetry.</p> <p>3.Cabinet should have dual ULPA/ HEPA filter with integral metal guards and filter frame gaskets and fully compliant with EN 1822 and filters tested to >99.999% efficiency for 0.1- 0.3 micron particulates. Filter life should be prompt in display board.</p> <p>4.UV light should be programmable from 30 minutes to 24 hours with extending bulb life, saving energy and life should be display.</p> <p>5. Biological safety cabinet must be capable of achieving current state-of-the-art in energy efficiency by use of a ECM / brushless DC (BLDC) motor. The double blower motors must be automatically adjust the airflow speeds without the use of a damper to ensure continuous safe working conditions, even without maintenance adjustments.</p> <p>6.Cabinet should have audible and visual alarms prompt user in case of any unsafe cabinet condition, such as hardware failure or unsafe sash opening height .</p> <p>7.The microprocessor should have a display with in flow and down flow air velocities in real time on LED display to ensure whether or not the cabinet is working under safe operating conditions.</p> <p>8.The front window must be a 10” or 8” sliding sash opening with tempered safety glass (UV resistant) to ensure no sharp edges to the glass in case of accidental breakage.</p>	1

	<p>9. External surfaces should be coated with antimicrobial coating .</p> <p>10. Air flow must be vertical and Quality must be followed with ISO Class 3</p> <p>11.Noise level : < 60 dBA</p> <p>12. Light intensity : 1404 Lux</p> <p>13. Delivery: Within 8-10 weeks from receipt of Confirmed Order.</p> <p>14. Installation should be free of charge by the factory trained Service Engineers</p> <p>15. Warranty: Standard one (01) Year from the date of the installation.</p> <p>16. Bidders should provide original literature as a proof of specification.</p> <p>17. Bidders should supply UV lamp electrical socket SS make movable stand anti microbial coated with front wheel and breaks for easy movement.</p>	
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ANNEXURE-III

SL. No	Brief Description of the Good	Specifications	Quantity
1.	ELISA READER	<p>1. Plate reader should have ability to read from any strip in a single plate, Long life of lamp, Built - in stabilizer and also have data Analysis with Curve plot capability on printer.</p> <p>2. Light source : Xenon lamp</p> <p>3. Reader should have 6-position filter wheel and the instrument should be delivered with the following standard filters 405 nm; 450 nm; 492nm; 630nm and two optional.</p> <p>4. Filter half bandwidth should be 10nm \pm 2nm.</p> <p>5. Linear measurement range should be 0.000 to 3.000 Absorbance Units(A).</p> <p>6. Microplate should have Linear shaking capability.</p> <p>7. Photometric accuracy should be \pm 2% or 0.005 whichever is higher from 0 to 1.5 A and \pm 3% from 1.5 A to 3.0A.</p> <p>8. Display should be 6" Graphical LCD</p> <p>9. User interface : USB and RS232</p> <p>10. Internal memory should have at least up to 125 open channel and additional 10 micro plate data</p> <p>11. External printer type : Built in Thermal Printer 52 columns</p> <p>12. Plate carrier movement should be precisely through the stepper motor.</p> <p>13. It should be installed free of charge.</p> <p>14. Branded computer with branded UPS(1.1KV) and laserjet printer installed software for running the ELISA Reader.</p> <p>15. Warranty Standard One Year from the date of installation</p> <p>16. Delivery: Within 8-10 weeks from receipt of Confirmed Order with payment.</p>	1